



The Connection

A Well Drilling Industry Newsletter

VOLUME 18 NUMBER 2

FALL 2011

Well Installation Board News

The Missouri Well Installation Board held its quarterly meeting August 5, 2011, at the Missouri Department of Natural Resources' complex in Rolla. The Board reviewed and made decisions on two separate permit appeals and received updates on enforcement cases, rulemaking actions and section activities. The annual report and a status update about the Groundwater Protection fund were also presented.

The next quarterly meeting is scheduled for 10 a.m., Monday, Nov. 7, 2011 at the Missouri Department of Natural Resources' facility, located at 111 Fairgrounds Road in Rolla. A subsequent meeting is scheduled for 10 a.m., Monday, Feb. 20, 2012. This meeting is being held in conjunction with the Missouri Water Well Association's annual conference at the Country Club Hotel in Lake Ozark.

A listing of department events and meetings along with the dates, times and locations is available on the department's online calendar: dnr.mo.gov/calendar/search.do

Attention Apprentices

The apprentice program has been in full-swing for more than two years. Currently, there are 13 water well, 30 pump, 24 monitoring well and 20 heat pump apprentices permitted. As many know, the apprenticeship is a two-year program along with completion of required number of installations or sites, depending on the type of permit held. Several permitted apprentices are now qualified to apply for their non-restricted contractor permit. To begin the process of obtaining this permit, the apprentice must verify the required amount of time and number of installations, submit an application to test for the closed book exam, submit the fee for the exam, and pass the exam with a score of at least 70 percent. Anyone with questions regarding qualifications for testing should contact Jeannie Hoyle or Connie Edwards at 573-368-2450 or 573-368-2174, respectively.

REMINDERS: Only one apprentice may be credited per installation record. Records must be signed in order to receive the credit.

Rule Updates

Three rule updates are moving through the rulemaking process. All draft rules and related documents are available on our webpage: dnr.mo.gov/geology/geosrv/geo-rules-in-dev.htm.

Apprentice Rule and Public Hearing

The "apprentice" rule (10 CSR 23-1.050) is being amended to address some problems encountered when the apprentice program first became a rule. The amendment addresses persons who allowed their permit to lapse, but wish to be re-permitted without serving an apprenticeship. It also addresses out-of-state contractors, testing timeframes, and persons who drill wells or install pumps for public wells. The Well Installation Board voted to direct staff to file the proposed language with the Secretary of State's office for publication in the Missouri Register. A public hearing will be held to receive comments about the proposed rule. The hearing is scheduled for Monday, Nov. 28 at 10 a.m. at the Division of Geology and Land Survey's Annex Conference Room located at 111 Fairgrounds Road in Rolla.

Heat Pump Construction Rule

The Board also voted to table discussion about the heat pump construction rules (10 CSR 23-5.010 – 10 CSR 23-5.080) to afford more time for interested parties to review the proposed draft and to allow staff an opportunity to gather more information regarding grouting of these wells.

Disciplinary Action and Appeals

A change to the Disciplinary Action and Appeal Procedures rule (10 CSR 23-1.075) is also being proposed. This rule was amended in March 2007 to reflect the requirements of other programs in the department's Environmental Quality Division when the Wellhead Protection Section was moved to that division. At that time, all appeals were required to go through the Administrative Hearing Commission, not the Well Installation Board. Because the Section now resides in the department's Geology and Land Survey Division, the attorney representing the board advised changing the rule to reflect the statutory requirement that appeals are to be made to the Well Installation Board. This rule is currently undergoing interagency review. The expectation is that it will be filed with the Missouri Secretary of State's office before the end of the year.

Monitoring and Well Construction Rules

New monitoring well construction rules became effective July 31, 2011. Printed versions are available upon request by calling 573-368-2165.

Staff News

Karen Smith joins the Section

Karen Smith began working in the Wellhead Protection Section in mid-June as the receptionist. Her past experience includes working six years at the Rolla Technical Institute as the secretary in the Counselor's office; and more recently, working six years at a family owned sawmill. Contact Karen at 573-368-2375 for general information.

Molly Starkey joins the Section

Molly Starkey joined the Investigation and Remediation Unit at the beginning of May. She holds a B.S. in Geology and a M.S. in Geospatial Science from Missouri State University in Springfield, Mo. Molly is responsible for working with the department's Water Resources Center to certify public water supply wells, reviewing and approving monitoring well abandonments, performing well searches, and issuing casing points and variances. Contact Molly about any of these aspects or regarding general geology inquiries at 573-368-2196 or by email at molly.starkey@dnr.mo.gov.

Notice of Change to Water Well Construction Standards

The Missouri Legislature passed House Bill 250 in May 2011. This legislation will make a change to construction standards for certain types of wells. The bill created Section 640.116 of the Revised Statutes of Missouri.

This bill specifies any water system that exclusively serves a charitable or benevolent organization will be exempt from all rules relating to well construction except those that apply to a multifamily well unless the well or pump installation for the well is determined to present a threat to groundwater or public health. A water system cannot be exempt if it regularly serves an average of 100 or more people for at least 60 days of the year or if it serves a school or day care facility.

If a system has three or more violations of the total coliform maximum contaminant level in a 12-month period or one acute violation of the maximum contaminant level, the system's owner must provide an alternative source of water, eliminate the source of contamination, or provide treatment that reliably achieves at least 99.99 percent treatment of viruses.

An exempt organization cannot be required to replace, change, upgrade or alter an existing well constructed prior to August 28, 2011, unless the well is determined to be a threat to groundwater or public health or if it contains certain contaminant levels.

Please review this change carefully. For more information contact the department's Public Drinking Water Branch at 573-751-5331 or the regional office in your area (dnr.mo.gov/regions/regions.htm).

The bill is available online: house.mo.gov/billtracking/bills111/billpdf/truly/HB0250T.PDF

New Forms

New monitoring well forms are available in hard copy and on-line. These forms include a revised monitoring well form, nested monitoring well form and monitoring well abandonment form.

Please discard old forms. Contact our office at 573-368-2165 if you prefer printed copies sent to you or if you have questions. Our website is dnr.mo.gov/geology/geosrv/wellhd/.

Missouri Water Well Association's Annual Convention to be held February 20-23, 2012

The Missouri Water Well Association's Annual Convention will be held February 20-23, 2012 at the Country Club Hotel and Spa, located at 301 Carol Road in Lake Ozark. The Missouri Water Well Association is an industry association that advocates the protection of Missouri groundwater. Check their website for details about the convention and information about association events. In addition, their monthly newsletter, MWWA Informer, information about continuing education, guidelines for scholarships offered by the association, and other items of interest can be found on their website. Visit: missouriwaterwellassociation.com or contact their new business manager, Beth Marsala, by phone or text: 314-974-MWWA (6992).

Wellhead Protection Section Staff

Wellhead Protection Section: 573-368-2165

Website: dnr.mo.gov/geology/geosrv/wellhd/job.htm

- **Sheri Fry** – Compliance and Planning Unit Chief
573-368-2115 • sheri.fry@dnr.mo.gov
- **Chris Thiltgen** – Investigation and Remediation Unit Chief
573-368-2167 • chris.thiltgen@dnr.mo.gov
- **Connie Edwards** – Processing Unit Chief
573-368-2174 • connie.edwards@dnr.mo.gov
- **Eric Hohl**
573-368-2168 • eric.hohl@dnr.mo.gov
- **Jeannie Hoyle**
573-368-2450 • jeannie.hoyle@dnr.mo.gov
- **Matt Parker**
573-368-2170 • matt.parker@dnr.mo.gov
- **Paul Meyer**
573-368-2159 • paul.meyer@dnr.mo.gov
- **Karen Smith**
573-368-2375 • karen.smith@dnr.mo.gov
- **Molly Starkey**
573-368-2196 • molly.starkey@dnr.mo.gov
- **Debbie Stogsdill** – Section Secretary
573-368-2165 • debbie.stogsdill@dnr.mo.gov
- **Ruth Ann Williams**
573-368-2318 • ruth.williams@dnr.mo.gov

Welcome

The following individuals are now part of the Missouri Department of Natural Resources' permitted contractor community:

Allstate Consultants – William Barrow
Aquaterra Environmental – Charles Joyce
Burns & McDonnell – Kevin Belling
Caldwell-McGrew Irrigation – Jimmy Caldwell
Conestoga-Rovers – Kirk Hoeffner
Darling, Jeffrey
ECS – Jim Guffey
Geosyntec Consultants – Eric Stiffler
Geothermal Installation – James Huddleston
Groundwater & Environmental – Steven Baumann
K J Unnerstall Construction – Chad Sieve, George Schmidt
Kearney & Assoc dba Frueh – Charles Baggett
Martin Pump Service – Jason Payne
Martin-Jetco Heating & Air – Douglas Gill
Rogers Heating & Cooling – Chris Franks
Sunbelt Environmental – David Powell
Terracon Consultants – Rebecca Nyght, Shane Strophe
Tri-County Irrigation – Mark Wagenbach

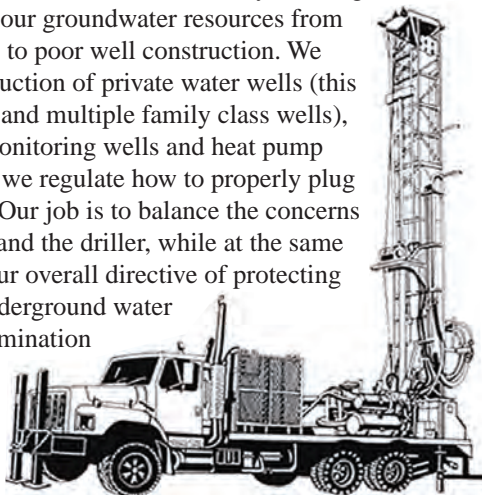
Welcome

The following individuals are now part of the Missouri Department of Natural Resources' permitted apprentice contractor community:

Allen Pump Service – Ross Allen
Douglas Pump – Chris Tomlin, Seth Kaiser
Everly Pump – Robert Everly
GEO Drill Inc – Kory Kalmer
Larson Heating and Air – Steven Rook
PSA Environmental – Jeff Crawford
Roberts Environmental – Shawn Seymour,
William Harrison Jr., Sean Dodel
Water Works Well Service – Ross Trimble

Wellhead Protection Section

We are here to ensure any new private well drilled in Missouri is constructed to minimum standards as set by state regulations. This helps protect our groundwater resources from contamination due to poor well construction. We regulate the construction of private water wells (this includes domestic and multiple family class wells), irrigation wells, monitoring wells and heat pump wells. In addition, we regulate how to properly plug all types of wells. Our job is to balance the concerns of the land owner and the driller, while at the same time performing our overall directive of protecting Missouri's vast underground water supply from contamination due to improper construction and abandonment of wells.



Farewell

The following individuals are no longer permitted to operate as contractors according to the Water Well Drillers Act and Well Construction Regulations:

AECOM Environment – Martin Weber
Ahrens – Jeff Haudrich
Allgeier Martin & Assoc – Dean Willis
Applied Environmental – Bryan Williams
B&B Water Works – Matthew Rizer
Barker Lemar – Robert Andrews
Bey Heating & Cooling – Dennis Bey
Bodine & Feger Heat & Cool – Jack Bodine
Brand Well Drilling & Pump – Walter Bolin
Burge Irrigation – Travis Crawford
Caldwell McGrew Irrigation – Ronald McGrew
CDM Federal Programs Corp – Gary Hazen
Coastal Construction LLC – Josh Chipman
Colvins Heating & Air – David Colvin
CTI & Associates – Adam Matzenbacher
DC Smith Company – David Smith
Dobkins & Sons Well Drilling – Lawrence Dobkins
Douglas Pump Service – Fred Douglas
Environmental Science Consulting – Scott George
Fleeman A C – Danny Fleeman
Fisher Mechanical – Christopher Fisher
Geo Environmental – Ellis Shiblee
Golder Associates – Andrew Horrell
Gunlock Heating & A/C – Glen Owens
Harold Hughes Plumbing – Harold Hughes
Hornbuckle Heating & Cooling – Clinton Hornbuckle
Lamme Well Drilling – John R Lamme
Logan Pump Service – Kevin Logan
Luther Woods Heating & Cooling – Luther Woods
McGrath Environmental – Matthew McGrath
Miles, Douglas
MoDNR – Keith Knelle, Arthur Goodin
MoDNR – David Kindelspire
MoDOT – John Jurgensmeyer
MWH Americas – Timothy Wineland
Nordwald Consulting – Dan Nordwald
NPN Environmental – Grant Draemer
Olan McCarty Drilling – Olan McCarty
Patton & Son Plumbing & Pump – James Patton, Jimmy Patton
Pensoneau Construction – Jeff Baker
Professional Environmental – Todd Anderson
Pumps & Water Systems – Richard Hauser
Quality Sales & Service – Sylvester Kesel
RMT Inc – Thomas Koch
Terracon – Brian Stephens, Daniel Klockow
Tichenor Drilling – Daniel Boyd
TRC Companies – David Griffin
TRS Group – Clay Lansing
Weston Solutions – Michael Castillo
Wilkerson Well Drilling – Mark Hunsaker
Williams Brothers Well Drlg – Donald Brockmeier
Winters Pump Service – Stanley Medlock
Wulff-Rodgers Construction – David Rodgers

The Connection is published biannually by the Missouri Department of Natural Resources' Division of Geology and Land Survey. Suggestions, ideas and comments concerning this newsletter are welcome. Send comments to: Missouri Department of Natural Resources' Division of Geology and Land Survey, Wellhead Protection Section, PO Box 250, Rolla, MO 65402-0250, Phone: 573-368-2165 or Fax: 573-368-2317

